

(19) World Intellectual Property  
Organization  
International Bureau



(43) International Publication Date  
22 April 2004 (22.04.2004)

PCT

(10) International Publication Number  
**WO 2004/034726 A1**

(51) International Patent Classification<sup>7</sup>: **H04Q 7/38**

(SE). D'ANTONIO, Luigi [IT/IT]; Via Alpi Apuane, 11/B, I-00131 Rome (IT). CHEMLAKINA, Svetlana [RU/IT]; Via Caio Sulpicio, 8A/13, I-00175 Roma (IT). BEMING, Per [SE/SE]; Frejgatan 58, S-113 26 Stockholm (SE).

(21) International Application Number:  
PCT/SE2003/000026

(22) International Filing Date: 13 January 2003 (13.01.2003)

(74) Agent: DR LUDWIG BRANN PATENTBYRÅ AB; P.O. Box 17192, S-104 62 Stockholm (SE).

(25) Filing Language: English

(26) Publication Language: English

(81) Designated States (*national*): CN, DE, GB, JP, US.

(30) Priority Data:  
0203056-7 11 October 2002 (11.10.2002) SE

Declaration under Rule 4.17:  
— of inventorship (Rule 4.17(iv)) for US only

(71) Applicant (*for all designated States except US*): TELEFONAKTIEBOLAGET LM ERICSSON (publ) [SE/SE]; S-126 25 Stockholm (SE).

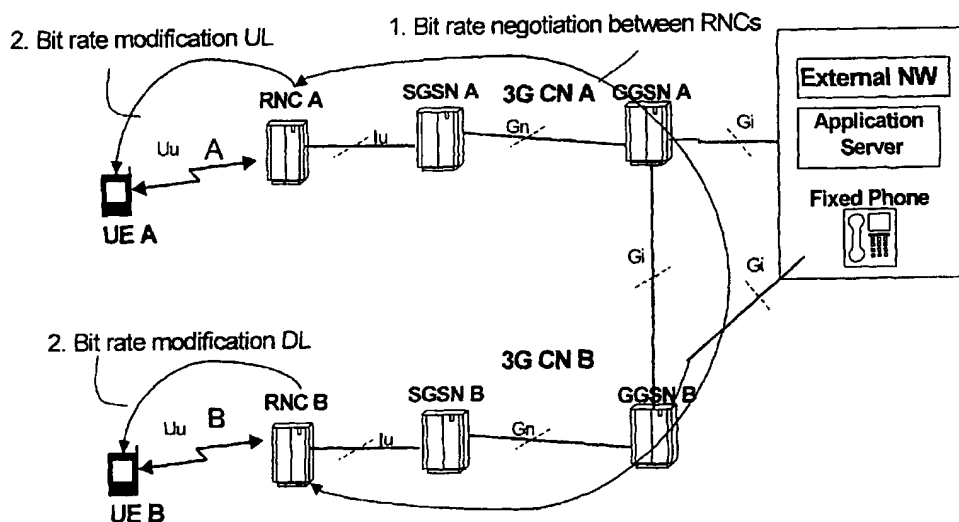
Published:  
— with international search report

(72) Inventors; and

(75) Inventors/Applicants (*for US only*): PETERSSON, Justus [SE/SE]; Sankt Paulsgatan 28 B, S-118 48 Stockholm

*For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.*

(54) Title: BIT RATE CONTROLLING MEANS IN A TELECOMMUNICATION SYSTEM



(57) Abstract: The invention relates to a packet switched mobile telecommunication system, a rate controlling means in said system, a method and a computer program product. The system comprising at least a first rate controlling means residing in a Radio Controlling Entity, RCE, arranged for controlling bit rates of a first radio link to a first mobile terminal and a second rate controlling means arranged for controlling bit rates of a second radio link to a second mobile terminal. The first rate controlling means comprises means for notifying the second rate controlling means about a change of the bit rates of said first radio link, the first and the second rate controlling means comprise means for negotiating a corresponding change of the second radio link layer bit rate, and the first and the second rate controlling means comprise means for notifying their respective mobile terminals to modify their application layer bit rates accordingly.